DRILL HOLES

BORDER REV: DATE: June 1, 2004

DRILL HOLES

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PROPOSED SIGNS

11,12 — D3-2 (DUAL-FACED) VARIABLE X 16"
Fieldcrest Rd ⇨ ⇦ Fieldcrest Rd

14,16 — D3-2 (DUAL-FACED) VARIABLE X 16"
Olney Laytonsville Rd <6000

17,20 — R3-5R 30" x 36"
ONLY

NOTE: MD 108 IS CONSIDERED TO RUN IN A EAST-WEST DIRECTION.

13 — ASSOCIATED SHIELD ASSEMBLY 30" x 51"
EAST / MARYLAND 108 →
M3-2 24" x 12"
M1-5 30" x 24"
M6-1 21" x 15"

15 — ASSOCIATED SHIELD ASSEMBLY 48" x 75"
WEST / MARYLAND 108 ←
M3-4 30" x 15"
M1-5 48" x 36"
M6-1 30" x 24"

18 — ASSOCIATED SHIELD ASSEMBLY 30" x 51"
WEST / MARYLAND 108 →
M3-4 24" x 12"
M1-5 30" x 24"
M6-1 21" x 15"

19 — ASSOCIATED SHIELD ASSEMBLY 48" x 75"
EAST / MARYLAND 108 ←
M3-2 30" x 15"
M1-5 48" x 36"
M6-1 30" x 24"

21,22,23 — W3-3 48" x 48"
NEW
R Y G

PROPOSED SIGNALS

1,2,4,5 — 12"
3,6,7,9,10 — 12"
8 — 12"

ALL SIGNAL HEADS SHALL BE LED TYPE

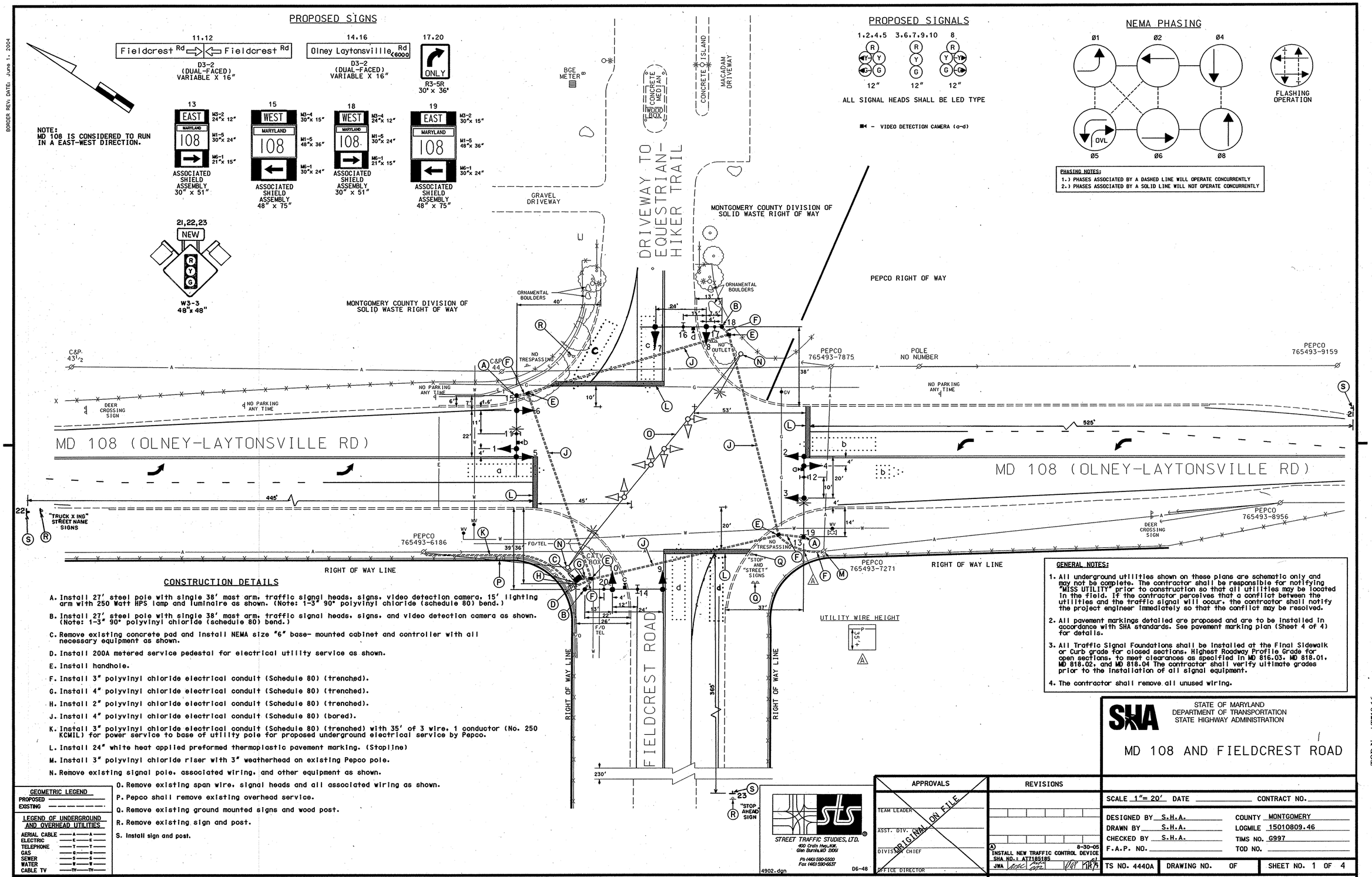
■ – VIDEO DETECTION CAMERA (a–d)

NEMA PHASING

Ø1 Ø2 Ø4
Ø5 OVL Ø6 Ø8

FLASHING OPERATION

PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

A. Install 27' steel pole with single 38' mast arm, traffic signal heads, signs, video detection camera, 15' lighting arm with 250 Watt HPS lamp and luminaire as shown. (Note: 1-3" 90° polyvinyl chloride (schedule 80) bend.)

B. Install 27' steel pole with single 38' mast arm, traffic signal heads, signs, and video detection camera as shown. (Note: 1-3" 90° polyvinyl chloride (schedule 80) bend.)

C. Remove existing concrete pad and install NEMA size "6" base- mounted cabinet and controller with all necessary equipment as shown.

D. Install 200A metered service pedestal for electrical utility service as shown.

E. Install handhole.

F. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

G. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

H. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

J. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).

K. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched) with 35' of 3 wire, 1 conductor (No. 250 KCMIL) for power service to base of utility pole for proposed underground electrical service by Pepco.

L. Install 24" white heat applied preformed thermoplastic pavement marking. (Stopline)

M. Install 3" polyvinyl chloride riser with 3" weatherhead on existing Pepco pole.

N. Remove existing signal pole, associated wiring, and other equipment as shown.

O. Remove existing span wire, signal heads and all associated wiring as shown.

P. Pepco shall remove existing overhead service.

Q. Remove existing ground mounted signs and wood post.

R. Remove existing sign and post.

S. Install sign and post.

GEOMETRIC LEGEND
PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE — A — A —
ELECTRIC — E — E —
TELEPHONE — T — T —
GAS — G — G —
SEWER — S — S —
WATER — W — W —
CABLE TV — TV — TV —

GENERAL NOTES:

1. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
2. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. See pavement marking plan (Sheet 4 of 4) for details.
3. All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections. Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04 The contractor shall verify ultimate grades prior to the installation of all signal equipment.
4. The contractor shall remove all unused wiring.

STREET TRAFFIC STUDIES, LTD.
450 Crain Hwy. NW.
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

4902.dgn D6-48

APPROVALS
TEAM LEADER
ASST. DIV.
DIVISION CHIEF
OFFICE DIRECTOR
ORIGINAL ON FILE

REVISIONS
A 8-30-05 INSTALL NEW TRAFFIC CONTROL DEVICE
SHA NO.: AT7185185
JWA

PLOTTED: $DATETIME$
FILE: $FILE$

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 108 AND FIELDCREST ROAD

SCALE 1"= 20' DATE _____ CONTRACT NO. _____
DESIGNED BY S.H.A. COUNTY MONTGOMERY
DRAWN BY S.H.A. LOGMILE 15010809.46
CHECKED BY S.H.A. TIMS NO. G997
F.A.P. NO. _____ TOD NO. _____

TS NO. 4440A | DRAWING NO. OF | SHEET NO. 1 OF 4

TOD No: AT718-16
SHA: MO314A5C/BSC